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AN ANNOTATED SYSTEMATIC CHECKLIST OF THE ANGIOSPERMAE OF THE CAPE RECEIFE NATURE RESERVE, PORT ELIZABETH

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Abstract

The vegetation of the Cape Receife Nature Reserve, Port Elizabeth is discussed briefly. The 173 species recorded are listed in a systematic checklist. Of the 60 families recorded, the Asteraceae (Compositae) is the one best represented by far.

Uittreksel

'N GEANNOTEERDE SISTEMATIESE KONTROLELYS VAN DIE ANGIOSPERMAE VAN DIE KAAP RECEIFE-NATUURRESERVAAT, PORT ELIZABETH

Die plantegroei van die Kaap Receife-Natuurreservaat, Port Elizabeth, word kortliks bespreek. Die 173 spesies wat aangeteken is, word in 'n sistematiese kontrolelys weergegee. Van die 60 families wat aangeteken is, is die Asteraceae (Compositae) op verre na die beste verteenwoordig.

Introduction

The Cape Receife Nature Reserve (S 34° 01′, E 25° 42′) is a small reserve, 366 ha in extent and situated 9,6 kilometres from the centre of the city of Port Elizabeth. It has approximately six kilometres of coastline and on the landward side it is bounded by the campus of the University of Port Elizabeth and the South African Defence Force rifle range.

The terrain is undulating, the highest point in the area, Receife Hillock, being 45 metres above sea level. Running in an east-west direction and separating the peninsula from the mainland is a broad belt of dune sand. In the eastern half of this belt a sewage treatment plant, with settling ponds, is well established. It is also in this half that an area of shifting sand has been stabilized successfully, a grass and shrub mixture having been used for this purpose. A few natural freshwater ponds also occur in the area.

Three roads traverse the area giving access to the lighthouse, the sewage works and the car park at the western side of the reserve.

The area was proclaimed a nature reserve in 1973 and is administered by

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the Parks and Recreation Department of the City Council of Port Elizabeth. Entry is by permit only.

The survey was carried out because a reasonable knowledge of species occurring in a protected area is essential and very little floristic data were available.

METHODS

During 1981 the area was visited at regular intervals, but also at odd times prior to this. Specimens were collected in duplicate. The first set is housed in the herbarium of the University of Port Elizabeth and the second set was sent to the Botanical Research Unit, Grahamstown, where it was used by the author and the staff of the unit for identification purposes.

Plant communities were assessed visually. Flowering periods were recorded as well as presence or absence of species in the different communities. Abundance was estimated on a five-point scale: rare, uncommon, fairly common, common and very common.

RESULTS AND DISCUSSION

Vegetation

Acocks (1975) considers the area to be a coastal tropical forest type. He classifies it as Alexandria Forest (Veld Type 2) but does not discuss this relationship in the text and only shows it on the map.

During the present survey six communities were distinguished (Fig. 1).

1. Pioneer communities on unstabilized dunes, more or less concentrated along the eastern coastline.
   The most important pioneers are *Arctotheca populifolia* and *Scaevola thunbergii.*
2. Rocky shore communities which occur on consolidated areas between the rocky shore and dune scrub, along the southern and south-western coastline.
   The most important species occurring here are: *Chenolea diffusa, Cotula* species, *Gazania rigens* (both varieties), *Limonium linifolium, Sporobolus virginicus* and *Tetragonia decumbens.*
3. Dune scrub. This community occupies the largest area by far in the reserve. It is virtually impenetrable and collecting was limited to roadsides and an area that was destroyed by fire during February 1978.
   The dominant species are: *Cassine* species, *Olea exasperata, Pterocelastrus tricuspidatus, Rhus* species and *Sideroxylon inerme.*
4. Fynbos. Although it is not impossible that several fynbos patches are to be found within the dune scrub, only one of limited extent was easily accessible and investigated.

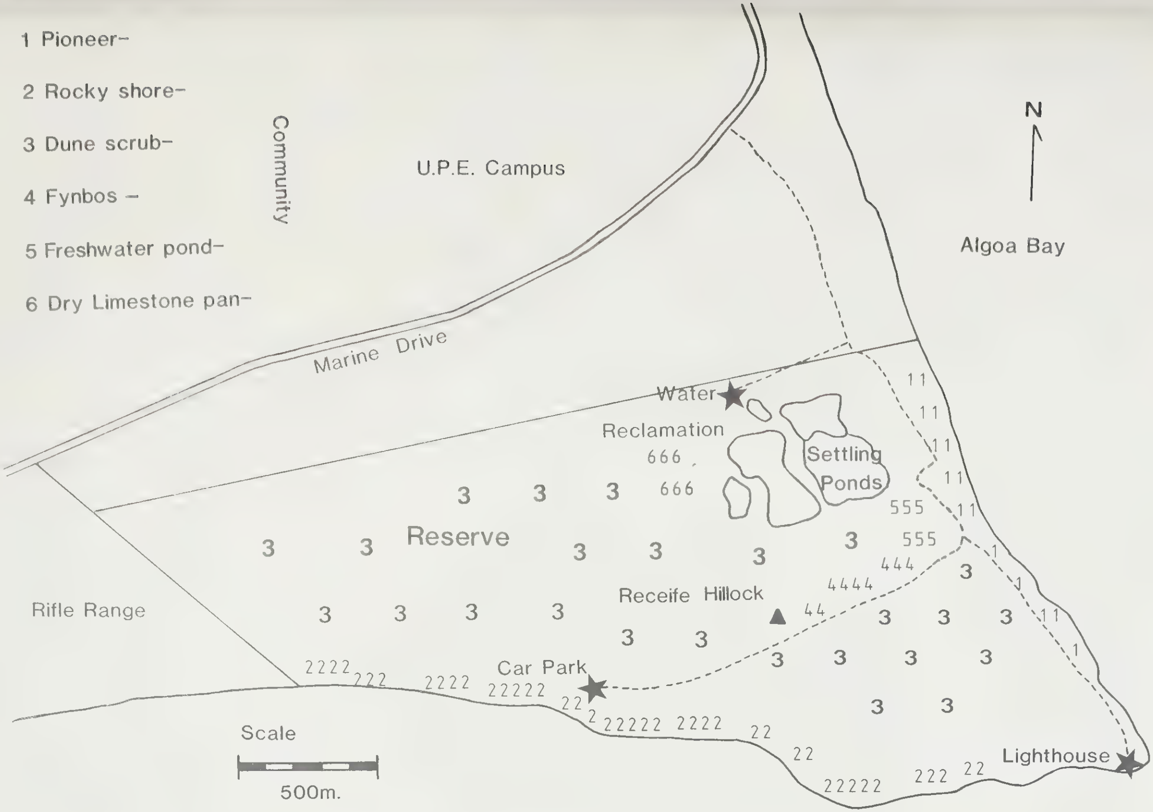

Fig. 1.
Combined Locality and Vegetation Map of the Cape Receife Nature Reserve, Port Elizabeth.

The commonest species occurring here are: *Agathosma apiculata, Muraltia squarrosa, Myrica quercifolia, Passerina vulgaris* and *Sutera microphylla.*

5. Freshwater pond community. A few natural freshwater ponds are to be found in the area.
   Typha latifolia subsp. *capensis* is the dominant species.
6. Dry limestone pan community situated near the settling ponds.
   The most important species are: *Chondropetalum microcarpum* and *Myrica cordifolia.*

Nothing comparable to dune forest occurs in the reserve.

Dense stands of *Acacia cylops,* especially in the northern and eastern parts of the reserve, are a serious threat to the indigenous vegetation.

Flora

During the survey, 60 families, 127 genera and 173 species of angiosperms were listed. An analysis of the families indicates that 11 (18,33 %)

TABLE 1.

Synopsis of the families whose species comprise more than 2 % of the total number listed in order of numerical importance together with the number of genera.

Family	No. of species	No. of species expressed as a % of total	No. of genera	No. of genera expressed as a % of total
Asteraceae (Compositae) ..	28	16,18	15	11,81
Poaceae (Gramineae)	11	6,36	10	7,87
Liliaceae.................	10	5,78	8	6,30
Cyperaceae	9	5,20	4	3,15
Fabaceae (Leguminosae) ..	9	5,20	6	4,72
Celastraceae	8	4,62	4	3,15
Mesembryanthemaceae....	6	3,47	6	4,72
Chenopodiaceae..........	5	2,89	4	3,15
Crassulaceae	4	2,31	2	1,57
Iridaceae	4	2,31	2	1,57
Santalaceae	4	2,31	4	3,15

are monocotyledons, and 49 (81,67 %) dicotyledons. The first is represented by 43 (24,86 %) species and the latter by 130 (75,14 %) species. There are 11 (18,33 %) families whose species contribute more than 2 % of the total number of species and these are listed in order of numerical importance in Table 1. Twenty nine (48,33 %) families are represented by one species, 14 (23,33 %) by two species and six (10,00 %) by three species.

Phenology

Flowering periods for 164 species were recorded. An analysis of these indicates a remarkable ascending fluctuation with two major peaks in September and November (Fig. 2).

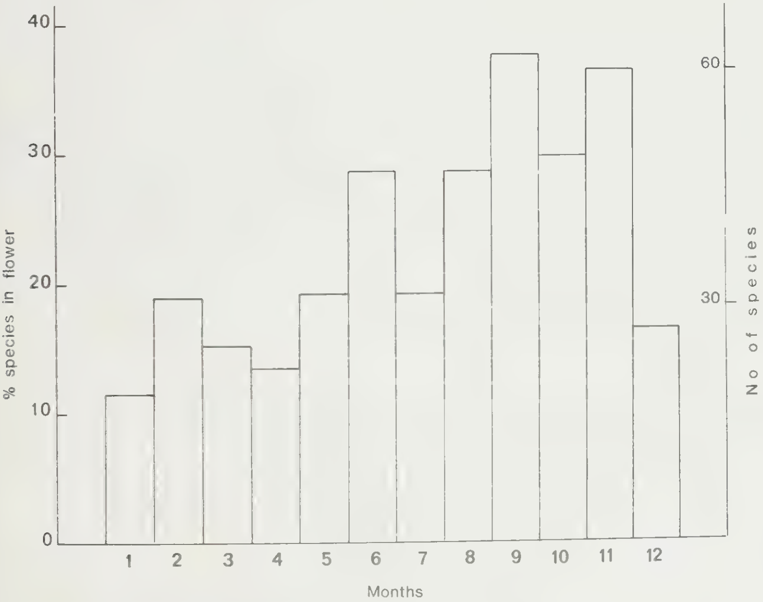

FIG. 2.

Histogram showing the relationship between the species flowering and the months of the year.

SYSTEMATIC LIST

The systematic list is arranged according to Dyer (1975, 1976), with the exception of *Viscum* which is classified according to Wiens and Tölken (1979). The numbers refer to the author's collecting number; fl. = flowering period; 1–12 = months of the year.

MONOCOTYLEDONAE

TYPHACEAE

Typha latifolia L. subsp. *capensis* Rohrb. 1944, fl. 11, freshwater ponds, common.

JUNCAGINACEAE

Triglochin striata Ruiz & Pav. 2400, fl. 11, seepage of freshwater ponds, fairly common.

POACEAE (Gramineae)

Cymbopogon marginatus (Steud.) Stapf ex Burtt Davy 2377, fl. 9–11, dune scrub, burnt area, uncommon.

Stenotaphrum secundatum (Walt.) Kuntze 3030, fl. 12, rocky shore community, fairly common.

Ehrharta calycina J. E. Sm. 2983, fl. 9–11, dune scrub, burnt area, uncommon.

E. villosa Schult. f. 1887, fl. 9–11, pioneer dune communities, fairly common.

Pentaschistis heptomera (Nees) Stapf 2403, fl. 9–11, pioneer dune communities, uncommon.

Lagurus ovatus L. 1932, fl. 9–11, dune scrub, disturbed areas, fairly common.

Sporobolus virginicus (L.) Kunth 2742, fl. 12–1, rocky shore communities, fairly common.

Cynodon dactylon (L.) Pers. 3033, fl. 12, rocky shore community, uncommon.

Lolium multiflorum Lam. 3006, fl. 10–11, dune scrub, disturbed areas, common.

Agropyron distichum (Thunb.) Beauv. 2741, fl. 11–1, pioneer dune communities, common.

Setaria sp. 2398, fl. 11, dune scrub, disturbed areas, uncommon.

CYPERACEAE

Juncellus laevigatus C.B.Cl. 3013, fl. 12, damp area beyond freshwater pond, locally fairly common.

Ficinia cf. *F. aphylla* Nees 2782, fl. 2, dry limestone pans, fairly common.

F. bulbosa Nees 2380, fl. 11, dune scrub, burnt area, common.

F. dunensis Levyns 2925, fl. 6, fynbos, uncommon.

F. cf. *F. ramosissima* Kunth 1872, fl. 9, dry limestone pans, fairly common.

F. truncata Schrad. 2273, fl. 8, dune scrub, burnt area, common.

Fuirena cf. *F. hirsuta* (Berg.) P. L. Forbes 3014, fl. 12, damp area beyond freshwater pond, locally fairly common.

Scirpus nodosus Rottb. 1937, fl. 11, pioneer dune communities near entrance to reserve, fairly common.

S. thunbergianus (Nees) Levyns 3015, fl. 12, damp area beyond freshwater pond, locally fairly common.

ARACEAE

Zantedeschia aethiopica (L.) Spreng. 2763, fl. 6–2, freshwater ponds, fairly common.

RESTIONACEAE

Chondropetalum microcarpum Pillans 1869, 2783, fl. 2, 9, dry limestone pans, common.

JUNCACEAE

Juncus kraussii Hochst. 3037, fl. 11–12, pioneer dune communities near entrance gate, common.

LILIACEAE

Androcymbium longipes Bak. 1849, fl. 9, dune scrub, fairly common.

Bulbine caulescens L. 1946, fl. 11, dune scrub, fairly common.

Trachyandra ovatum Kies 2986, fl. 8–9, dune scrub, fairly common, wide strapshaped leaves.

T. revolutum L. 2984, fl. 8–9, dune scrub, fairly common, narrow strapshaped leaves.

Aloe africana Mill. 2950, fl. 5–6, scattered in dune scrub.

Gasteria croucheri Bak. 2366, fl. 11, scattered in dune scrub.

Albuca sp. 2382, fl. 10–11, dune scrub, uncommon.

Massonia echinata L.f. 2959, 2985, fl. 6–7, dune scrub, burnt area, fairly common.

Asparagus asparagoides (L.) Wight 2930, fl. 6, dune scrub, fairly common.

A. racemosus Willd. 3032, fl. not recorded, dune scrub, fairly common.

AMARYLLIDACEAE

Boophane disticha Herb. 2780, fl. 1–2, dune scrub, burnt area, fairly common.

IRIDACEAE

Chasmanthe aethiopica (L.) N.E.Br. 2828, fl. 5–6, dune scrub, common.

Gladiolus floribundus Jacq. subsp. *floribundus* 3007, fl. 10, dune scrub, fairly common.

G. floribundus Jacq. subsp. *milleri* (Ker) Oberm. 2381, fl. 11, very abundant in burnt area.

G. guernzii Klatt 2390, fl. 11, pioneer dune community, uncommon.

ORCHIDACEAE

Holothrix exilis Lindl. 2373, fl. 11, fynbos, south-facing area, rare.

Bonatea speciosa (L.f.) Willd. 2368, fl. 11, dune scrub, uncommon.

Satyrium princeps Bol. 2987, fl. 9, stabilised dunes near car park, uncommon.

DICOTYLEDONAE

MYRICACEAE

Myrica cordifolia L. 2785, fl. 9, dry limestone pan, fairly common.

M. quercifolia L. 2497, fl. 8–9, fynbos, common.

VISCACEAE

Viscum obscurum Thunb. 2948, fl. 6, dune scrub, uncommon.

SANTALACEAE

Rhoiacarpos capensis (Harv.) A.DC. 1868, fl. 1–12, dune scrub, common.
Colpoon compressum Berg. 2797, fl. 1–12, dune scrub, fairly common.
Thesidium exocarpaeoides Sond. 2786, 2973, fl. 2, 8, fynbos, fairly common.
Thesium sp. 2764, fl. 2, rocky shore community, fairly common.

CHENOPODIACEAE

Chenopodium cf. *C. album* L. 2799, fl. 3, rocky shore community, uncommon.
C. murale L. 2829, fl. 5, disturbed area along road, common.
Exomis microphylla (Thunb.) Aell. var. *axyrioides* (Fenzl) Aell. 1866, fl. 9, dune scrub, uncommon.
Chenolea diffusa Thunb. 3031, fl. not recorded, rocky shore community, common.
Sarcocornia perennis (Miller) A. J. Scott 3029, fl. 12, rocky shore community, uncommon.

AIZOACEAE

Aizoon rigidum L.f. 2927, fl. 6, fynbos, uncommon.
Tetragonia decumbens Mill. 2923, fl. 6–9, rocky shore community, common.
T. fruticosa L. 2992, fl. 9, pioneer dune communities, common.

MESEMBRYANTHEMACEAE

Carpobrotus deliciosus (L. Bol.) L. Bol. 2963, fl. 8–9, dune scrub, fairly common.
Delosperma littorale (Kensit) L. Bol. 2964, fl. 8, fynbos, fairly common.
Disphyma crassifolia (L.) L. Bol. 3028, fl. 8–2, rocky shore community, common.
Drosanthemum intermedium L. Bol. 2965, fl. 8, fynbos, fairly common.
Mesembryanthemum aitonis Jacq. 2831, fl. 5, disturbed area in dune scrub, fairly common.
Nycteranthus plenifolius (N.E. Br.) Schwant. 2363, fl. 11, dune scrub, burnt area, common.

CARYOPHYLLACEAE

Silene bellidioides Sond. 2979, fl. 9, rocky shore community, common.
S. primulaeflora Eckl. & Zeyh. 2370, fl. 1–12, pioneer dune communities, common.

LAURACEAE

Cassytha cf. *C. filiformis* L. 2778, fl. 2, dune scrub, fairly common.

BRASSICACEAE (Cruciferae)

Heliophila linearis (Thunb.) DC. var. *linearis* 1890, fl. 10, dune scrub, uncommon.

CRASSULACEAE

Cotyledon orbiculata L. 2803, fl. 11–3, dune scrub, fairly common.

Crassula cotyledonis Thunb. 2364, fl. 11, dune scrub, common.

C. expansa Dryand. subsp. *filicaulis* (Haw.) Toelk. 2387, fl. 10–11, dune scrub, common.

C. sp. 2388, fl. 11, dune scrub, uncommon.

FABACEAE (Leguminosae)

Aspalathus lactea Thunb. subsp. *adelphea* (Eckl. & Zeyh.) Dahlg. 3018, fl. 11–2, fynbos, carpark turnoff, rare.

Crotalaria capensis Jacq. 1861, fl. 9, dune scrub on Receife Hillock, rare.

Indigofera heterophylla Thunb. 2924, fl. 6, fynbos, fairly common.

I. incana Thunb. var. *angustistipulata* Bak. f. 2970, 2989, fl. 8, fynbos and dune scrub, burnt area, fairly common.

I. striata L. 815, fl. 9, fynbos, uncommon.

I. sulcata DC. 2939, fl. 6, fynbos, common.

Psoralea bracteata L. 1935, fl. 11, fynbos, common.

Lessertia stenoloba E. Mey. 1938, 2375, fl. 9, fynbos and dune scrub, burnt area, fairly common.

Rhynchosia caribaea (Jacq.) DC. var. *picta* (E. Mey.) Bak. f. 2275, fl. 8, dune scrub, burnt area, uncommon.

GERANIACEAE

Pelargonium capitatum (L.) Ait. 2996, fl. 9–11, rocky shore community, common.

P. urbanum (Eckl. & Zeyh.) Harv. 2378, fl. 5–11, dune scrub, burnt area, common.

OXALIDACEAE

Oxalis punctata L.f. 2818, fl. 4, rocky shore community, uncommon.

LINACEAE

Linum africanum L. 3002, fl. 10–11, fynbos, next to road at carpark turnoff, localised.

ZYGOPHYLLACEAE

Zygophyllum uitenhagense Sond. 2816, fl. 1–12, disturbed areas, common.

RUTACEAE

Agathosma apiculata G. Meyer 2968, fl. 8–9, fynbos, common.

Coleonema pulchrum Hook. 2929, fl. 5–6, fynbos, fairly common.

POLYGALACEAE

Polygala ericaefolia DC. 3008, fl. 10, fynbos, uncommon.
Muraltia squarrosa (L.f.) DC. 2958, fl. 4–11, fynbos, common.
Nylandtia spinosa (L.) Dumort. 2931, fl. 6, dune scrub, uncommon.

ANACARDIACEAE

Rhus crenata Thunb. 2810, fl. 4, dune scrub, fairly common.
R. glauca Thunb. 1852, fl. 6, dune scrub, fairly common.
R. schlechteri Diels 2389, fl. 9, dune scrub, common.

CELASTRACEAE

Maytenus procumbens (L.f.) Loes. 2812, fl. 2–6, dune scrub, fairly common.
Putterlickia pyracantha (L.) Szyszyl. 3019, fl. 11, dune scrub, fairly common.
Pterocelastrus tricuspidatus (Lam.) Sond. 2945, fl. 11, dune scrub, common.
Cassine aethiopica Thunb. 3021, fl. 4–11, dune scrub, fairly common.
C. eucleiformis (Eckl. & Zeyh.) Kuntze 2278, fl. 8, dune scrub, common.
C. peragua L. 2951, fl. 6, dune scrub, fairly common.
C. reticulata (Eckl. & Zeyh.) Codd 1873, fl. not recorded, dune scrub, uncommon.
C. tetragona (L.f.) Loes. 2775, fl. 2, dune scrub, fairly common.

RHAMNACEAE

Phylica ericoides L. 2792, fl. 3, fynbos, fairly common.

VITACEAE

Rhoicissus tridentata (L.f.) Wild & Drumm. 2798, fl. 3, dune scrub, fairly common.

MALVACEAE

Abutilon sonneratianum (Cav.) Sweet 1876, fl. 9, dune scrub, uncommon.
Lavatera arborea L. 1860, fl. 9, weed next to road at carpark turnoff, only a few plants.

STERCULIACEAE

Hermannia althaeoides Link. 2530, fl. 8, fynbos, uncommon.
H. filifolia L.f. 2952, fl. 6, fynbos, uncommon.

FLACOURTIACEAE

Dovyalis rotundifolia (Thunb.) Harv. 3022, fl. not recorded, Receife Hillock, rare.

THYMELAEACEAE

Passerina rigida Wikstr. 1893, fl. 10, pioneer dune communities, fairly common.
P. vulgaris (Meisn.) Thoday 2988, fl. 9, fynbos, fairly common.

ONAGRACEAE

Oenothera drummondii Hook. 2977, fl. 9, next to roadside near entrance, common.

ARALIACEAE

Cussonia thyrsiflora Thunb. 2770, fl. 2, dune scrub, fairly common.

APIACEAE (Umbelliferae)

Heteroptelis suffruticosa (Berg.) Leute 822, fl. 1–12, edge of dune scrub, near gate to lighthouse, uncommon.

ERICACEAE

Erica chloroloma Lindl. 2809, fl. 4–11, fynbos, fairly common.

E. cf. *E. glumaeflora* Klotzsch ex Benth. 2936, fl. 6–8, fynbos, fairly common.

MYRSINACEAE

Rapanea gilliana (Sond.) Mez. 2940, fl. 6–8, dune scrub, fairly common.

PRIMULACEAE

Samolus porosus (L.f.) Thunb. 2765, fl. 2, swampy area in north-eastern part of reserve, uncommon.

PLUMBAGINACEAE

Limonium linifolium (L.f.) Kuntze 3035, fl. 3–11, rocky shore community, fairly common.

SAPOTACEAE

Sideroxylon inerme L. 2772, fl. 11–12, dune scrub, common.

EBENACEAE

Euclea natalensis A. DC. 2949, fl. 6, dune scrub, fairly common.

E. racemosa Murr. subsp. *bernardii* F. White 1853, fl. not recorded, dune scrub, fairly common.

OLEACEAE

Olea exasperata Jacq. 2941, fl. 6–11, dune scrub, common.

SALVADORACEAE

Azima tetracantha Lam. 2947, fl. not recorded, dune scrub, Receife Hillock, uncommon.

GENTIANACEAE

Chironia baccifera L. 3016, fl. 11–12, fynbos, common.
C. decumbens Levyns 3036, fl. 12–3, dry limestone pan, uncommon.
C. tetragona L.f. 2495, fl. 2–3, dry limestone pan, uncommon.

APOCYNACEAE

Carissa bispinosa (L.) Desf. ex Brenan 2982, fl. 9, dune scrub, fairly common.

ASCLEPIADACEAE

Astephanus marginatus Decne 2830, fl. 5–11, dune scrub, common.
Secamone alpinii Schult. 1892, fl. 10–11, dune scrub, common.

CONVOLVULACEAE

Ipomoea cairica (L.) Sweet 2819, fl. 1–12, near freshwater ponds, common.

LAMIACEAE (Labiatae)

Leonotis dubia E. Mey. 2372, fl. 6–11, dune scrub on Receife Hillock, uncommon.
Salvia africana-lutea L. 2993, fl. 9–10, dune scrub, uncommon.

SOLANACEAE

Lycium tetrandrum Thunb. 2796, fl. 3–10, rocky shore community, fairly common.
Solanum quadrangulare Thunb. 2791, fl. 3–9, dune scrub, common.

SCROPHULARIACEAE

Sutera campanulata (Benth.) Kuntze 2794, fl. 3–8, dune scrub, burnt area, common.
S. microphylla (L.f.) Hiern 2820, fl. 4–11, fynbos, common.
Zaluzianskya capensis Walp. 2953, fl. 6–11, dune scrub, burnt area, fairly common.

SELAGINACEAE

Hebenstreitia cordata L. 1947, fl. 11, near entrance to reserve, uncommon.

PLANTAGINACEAE

Plantago carnosa Lam. 2385, fl. 11, rocky shore community, common.

RUBIACEAE

Anthospermum aethiopicum L. 2971, fl. 8, fynbos, fairly common.
Hydrophylax carnosa Sond. 1885, fl. 10, found on one dune only, west of lighthouse.

CUCURBITACEAE

Zehneria scabra (L.f.) Sond. 3012, fl. 10, dune scrub, uncommon.
Kedrostis nana (Lam.) Cogn. var. *nana* 2771, fl. 9–11, dune scrub, fairly common.

GOODENIACEAE

Scaevola thunbergii Eckl. & Zeyh. 3023, fl. 11–2, pioneer dune communities, common.

ASTERACEAE (Compositae)

Felicia echinata (Thunb.) Nees 2832, fl. 5–9, fynbos, uncommon.

F. erigeroides DC. 2928, fl. 5–6, dune scrub, uncommon.

Conyza pinnatifida Less. 2766, fl. 2, swampy area in north-eastern part of reserve, uncommon.

C. scabrida DC. (=*C. ivifolia* (L.) Less.) 2767, fl. 2, swampy area in north-eastern part of reserve.

Tarchonanthus camphoratus L. 2793, fl. 2–4, dune scrub, uncommon.

Helichrysum cymosum (L.) D. Don 2801, fl. 2–3, swampy area in north-eastern part of reserve.

H. sordescens DC. 1845, fl. 9, dune scrub, common.

H. teretifolium (L.) D. Don 1844, fl. 9–10, dune scrub, common.

Stoebe cinerea (L.) Thunb. 1870, fl. 9, near settling ponds, uncommon.

Metalasia muricata (L.) D. Don 1305, fl. 5–6, widespread, fairly common.

Cotula coronopifolia L. 2955, fl. 6–11, seepage area near freshwater ponds, uncommon.

*C.*sp.(=*Cenia pectinata* (Eckl.) DC.) 2967, fl. 8–11, rocky shore communities and dune scrub in open spaces, common.

*C.*sp.(=*Cenia sericea* DC.) 2921, fl. 6–8, rocky shore communities and dune scrub in open spaces, common.

Pentzia globifera (Thunb.) Hutch. 2402, fl. 11, disturbed area in dune scrub, common.

Senecio elegans L. var. *diffusus* Harv. 2975, fl. 9–10, pioneer dune community, fairly common.

S. ilicifolius Thunb. 3009, fl. 10, disturbed area in dune scrub, common.

S. inaequidens DC. 2833, fl. 5–10, disturbed area in dune scrub, common.

S. lanceus Ait. 2768, fl. 2, swampy area in north-eastern part of reserve, uncommon.

S. oederiaefolia DC. 2978, fl. 9–10, rocky shore community, common.

Othonna amplexicaulis Thunb. 2956, fl. 4–9, dune scrub, common.

Osteospermum fruticosum (L.) T. Norl. 2974, fl. 8–9, rocky shore community, fairly common.

Chrysanthemoides monilifera (L.) T. Norl. 1302, fl. 1–12, widespread.

Ursinia chrysanthemoides Harv. 2990, fl. 8–11, dune scrub, burnt area, common.

Arctotheca calendula (L.) Levyns 2836, fl. 5, disturbed area along road to lighthouse, common.

A. populifolia (Berg.) T. Norl. 1299, fl. 1–12, pioneer dune communities, common.

Gazania linearis (Thunb.) Druce 3034, fl. 8–2, fynbos, fairly common.

G. rigens (L.) Gaertn. var. *leucolana* (DC.) Roessl. 2485, fl. 1–12, rocky shore community, common, leaves hairy on both surfaces.

G. rigens (L.) Gaertn. var. *uniflora* (L.f.) Roessl. 2815, fl. 1–12, rocky shore community, common, leaves hairy on lower surface.

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